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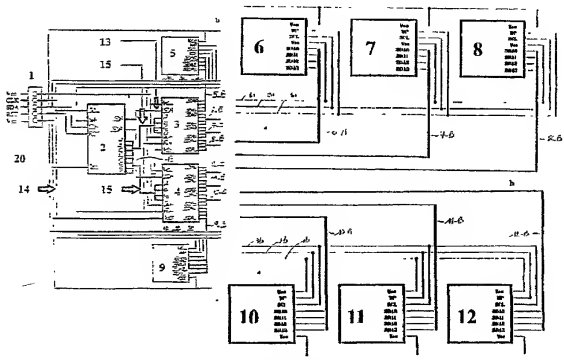
(54) Title: CARD MEMORY APPARATUS



(57) Abstract: The present invention includes a card memory device (20) comprising a microprocessor (2), a plurality of memory units (5-12) for storage of digital data, the memory units (5-12) being embedded in the card memory device (20). A selecting device (3, 4) is provided for selecting one of the memory units (5-12) and for routing address information and data to the selected memory unit (5-12), both the microprocessor (2) and the selecting device (3, 4) being embedded in the card memory device (20). The card memory device integrates components into a thin flexible memory card with surface contacts (1) so that the components can cooperate as a compact unit providing environmental sealing and secure access to several Mbytes of digital data. A specially designed set (1) of contacts (21-25) are also described which reduce the risk of electrostatic discharge. The card memory device (20) may be used for secure control of a personal computer.

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